

Engaging the Students: Don't Miss a **Golden** Opportunity



Turkey Foot MS Team

Mike Hilton

Project Manager - Turner Construction

Tony Hans

Principal - CMTA

Rob Haney

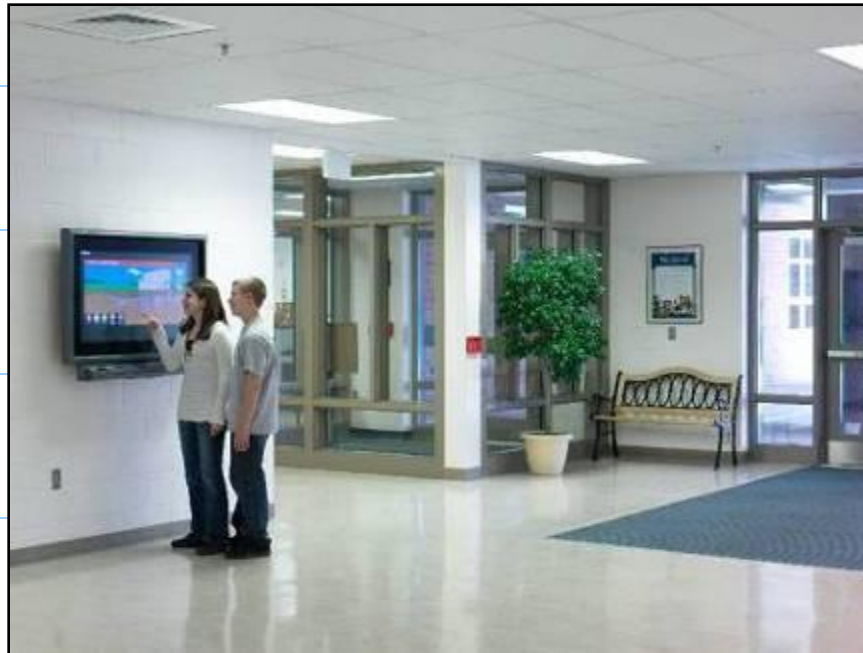
**Director of Support Services – Kenton
County Schools**



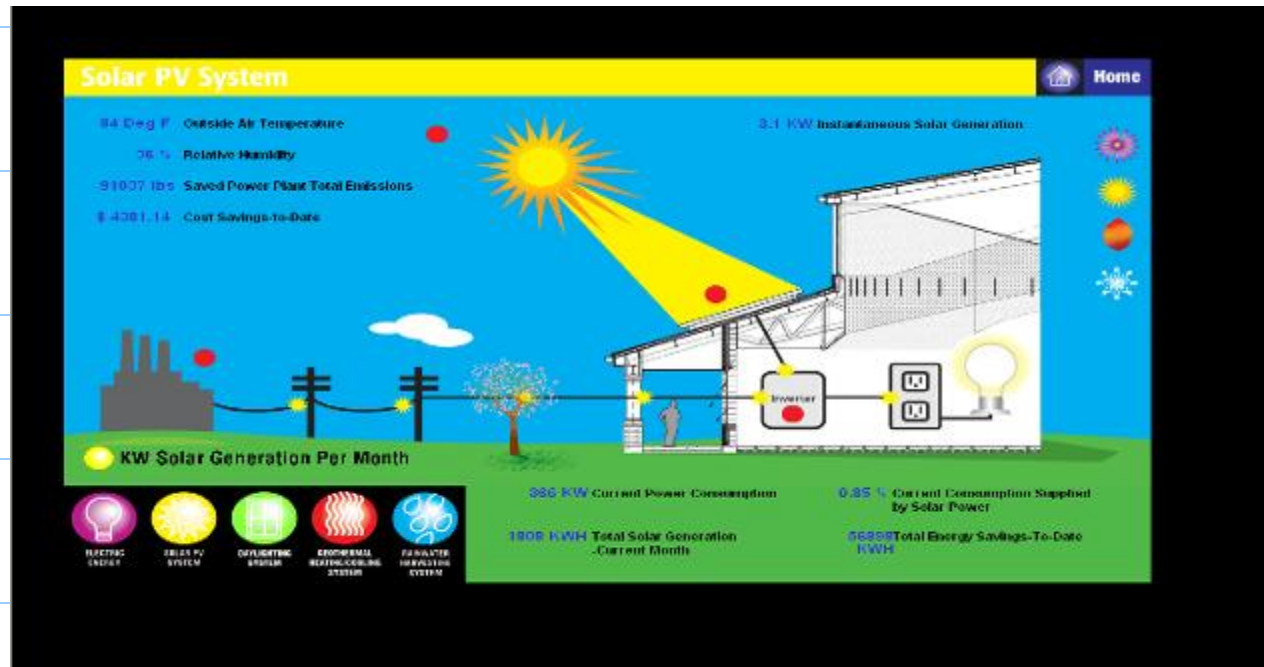
The Past:

Introducing High Performance Design to the Students

<http://www.twhvac.kenton.kyschools.us/>



Lecture Style VS. Engaging Students Interactively



The Present:

Don't Miss a Golden Opportunity

Case Study: Turkey Foot MS



DESIGNING:

Engaging the Students

Daylighting Study with NEED



Student Data Collection:

Saved Money, 50% less daylight glass



THE ENQUIRER

Saturday, April 19, 2008

"... 'Energy Teams' from Turkey Foot and Caywood are conducting a study by measuring the light levels each hour at Caywood to determine how big the windows should be in the new Turkey Foot.

"It's just a lot of fun to actually get to experience testing something that will have an effect on the new school," said Turkey Foot seventh-grader Ella Edgett."

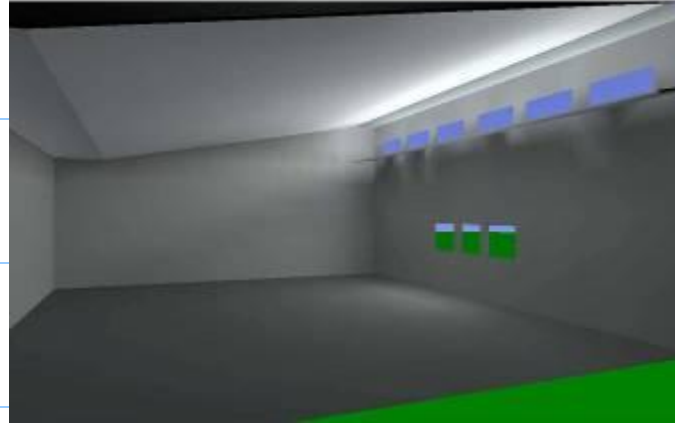


Daylighting Study



Daylighting Study

- **Caywood Light Shelf Model**



- **Turkey Foot Light Shelf Model**



Results



BIDDING:

Engaging the Students



CONSTRUCTION 101:

Engaging the Students In the Groundbreaking Event



Geotechnical



Structural



Technical School Involvement

- HVAC Design
- BIM



Surveying



Construction Station



Affecting Change



Involve Students in Contractor Meetings



Engage Students in Construction Activities- Estimating / Scheduling



Meetings and Tours



Hands-on Activities: ICF Walls



Hands-On: Rainwater Catchment System



Create student-selected Subcommittees

- Construction 101 – Energy Wise Team
- Grand Opening
- Outdoor Classroom
- Website Development
- Media
- Vital Signs
- Rainwater Catchment System
- Vegetated Roof



Create Sustainability



OPENING:

Engage the Students
In the School Opening

**Construction 101 Becomes
NEED: Energy Wise Teams**



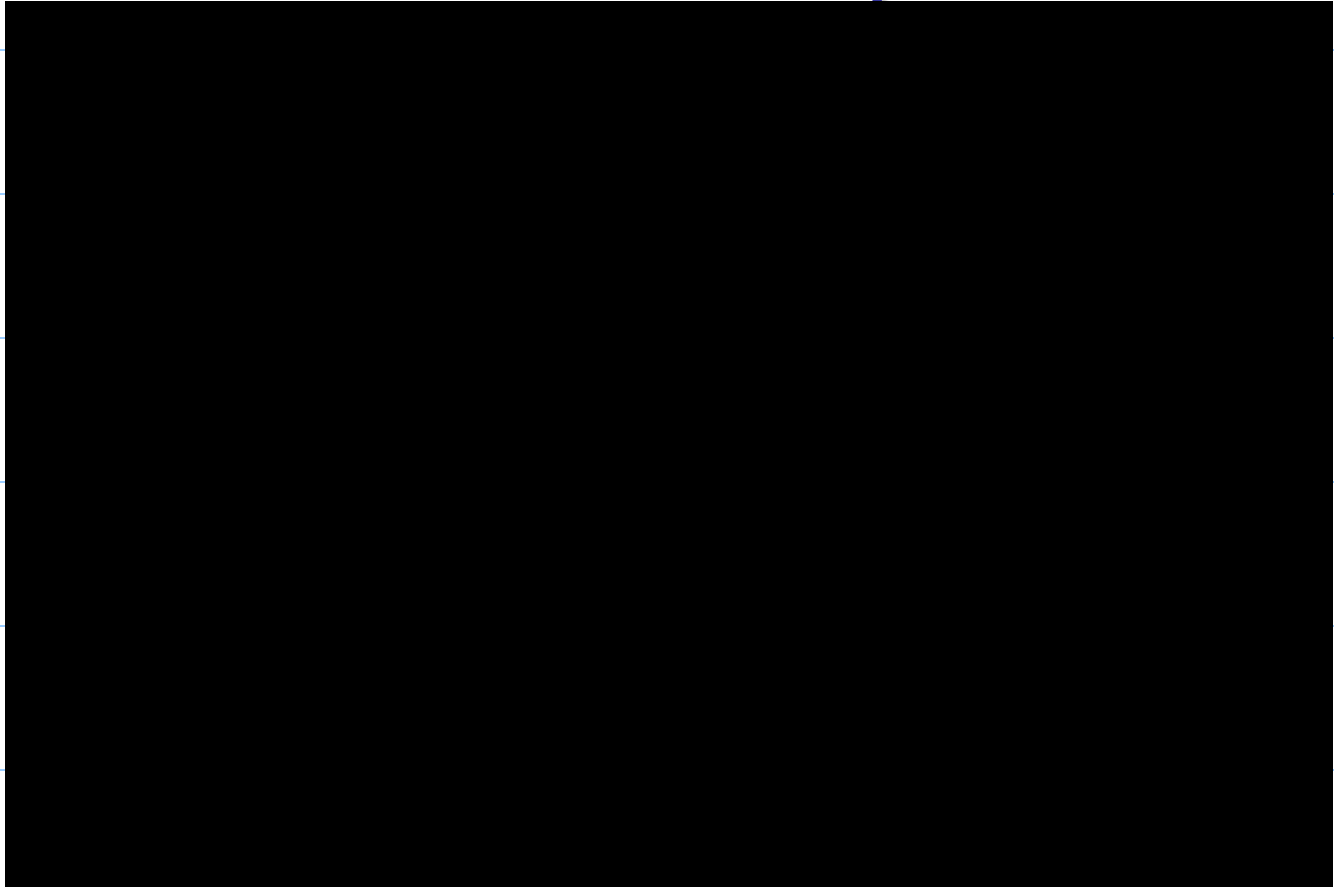
What's the Future?



STEM Campus



STEM Campus



Stem Campus



CMTA Facilitated UK Collaboration/ STEM Coach



mhilton@tcco.com
thans@cmtaegrs.com
rob.haney@kenton.kyschools.us

